

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-578
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1994 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: RFM1.9V8G2EA Displacement: 1.9 Liters (113 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
Heated Oxygen Sensor
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The TLEV certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.125	3.4	0.4	0.015
100,000	0.156	4.2	0.6	0.018

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.068	1.3	0.2	0.001
100,000	0.071	1.8	0.3	0.001

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average NMOG exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That on January 14, 1993, the Air Resources Board approved the repeal of the currently-effective requirement that each manufacturer certify a minimum of 80 percent of its projected sales of 1994 model-year California-certified passenger cars and light-duty trucks to the phase-in standards for NMHC, or the more stringent standards in section 1960.1(g)(2) of Title 13, California Code of Regulations. If the repeal of such requirement does not become effective by December 31, 1993, the manufacturer shall submit a plan for compliance with the requirement; passenger cars and light-duty trucks not meeting such phase-in or more stringent standards shall be certified only to the extent allowed under the requirement.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."


BE IT FURTHER RESOLVED: That the TLEV hydrocarbon exhaust emission standard to which the listed vehicles are certified is at least twice as stringent as otherwise applicable to gasoline vehicles of the same year and class, and the listed vehicles therefore meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Sections 39037.05 and 43800.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" as defined in Health and Safety Code Sections 39037.05 and 43800, and such labeling shall meet the requirements of Health and Safety Code Section 43802(a) at the time of sale.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 22nd day of September, 1993.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETManufacturer FORD MOTOR COMPANY Eng. Family RFM1.9V8G2EAPass Cars X Lt-Duty Trucks Med-Duty Vehicles Fuel Type UNLEADEDEng. Config. I-4 Liter (CID) 1.9L (113) Evap. Family RFM1045AYPOAEmission Control System & Special Features EGR/SFI/TWC/HO2S
(Use abbreviations per SAE J1930 June88)Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (PCME/PROM) Part No. -12A650-	EGR Syst. Part No -9D475-	Catalyst Part No. -5E212-
1.9L							
408TR10	N ESCORT 3D HB	A	2750	6.1	F4CF -- EB	F2CE--AA	F3CC--TA
	A " "	"	2750	6.7	"	"	"
	N ESCORT 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N ESCORT 5D HB	"	2750	6.1	"	"	"
	A " "	"	2750*	6.7	"	"	"
	N ESCORT 4D SW	"	2875	6.2	"	"	"
	A " "	"	2875	6.8	"	"	"
	N TRACER 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N TRACER 4D SW	"	2875	6.2	"	"	"
	A " "	"	2875	6.8	"	"	"
407TR10	N ESCORT 3D HB	M	2625	6.1	F4CF -- BB	F2CE--AA	F3CC--TA
	A " "	"	2625*	6.7	"	"	"
	N ESCORT 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N ESCORT 5D HB	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N ESCORT 4D SW	"	2750	6.2	"	"	"
	A " "	"	2750*	6.8	"	"	"
	N TRACER 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N TRACER 4D SW	"	2750*	6.2	"	"	"
	A " "	"	2875	6.8	"	"	"
* Test at next higher ETW							
Certification Standards							
<u>50K/100K</u>							
NMOG: 0.125/0.156							
CO: 3.4/4.2							
NOx: 0.4/0.6							
HCHO: 0.015/0.018							
EVAP: 2.0							

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1.9L							
408TR10	N ESCORT 3D HB	A	2750	6.1	F4CF -- EB	F2CE--AA	F3CC--TA
	A " "	"	2750	6.7	"	"	"
	N ESCORT 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N ESCORT 5D HB	"	2750	6.1	"	"	"
	A " "	"	2750*	6.7	"	"	"
	N ESCORT 4D SW	"	2875	6.2	"	"	"
	A " "	"	2875	6.8	"	"	"
	N TRACER 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N TRACER 4D SW	"	2875	6.2	"	"	"
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407TR10	N ESCORT 3D HB	M	2625	6.1	F4CF -- BB	F2CE--AA	F3CC--TA
	A " "	"	2750	6.7	"	"	"
	N ESCORT 4D SDN	"	2750	6.1	"	"	"
	A " "	"	2750	6.7	"	"	"
	N ESCORT 5D HB	"	2750	6.1	"	"	"
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	N ESCORT 4D SW	"	2750	6.2	"	"	"
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* Test at next higher ETW							
Certification Standards							
50K/100K							
NMOG: 0.125/0.156							
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408TR11	N ESCORT 3D HB	A	2750	6.1	F4CF -- EC	F2CE--AA	F3CC--TA
A	"	"	2750	6.7	"	"	"
N	ESCORT 4D SDN	"	2750	6.1	"	"	"
A	"	"	2750	6.7	"	"	"
N	ESCORT 5D HB	"	2750	6.1	"	"	"
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50K/100K							
NMOG: 0.125/0.156							
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